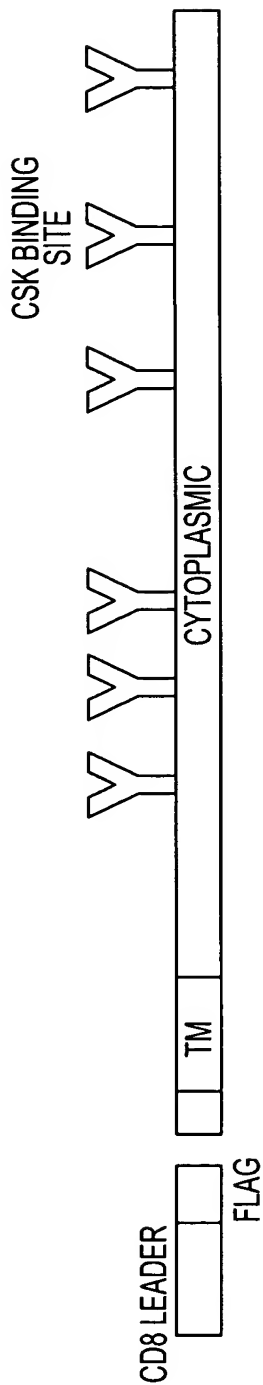




PAG



Y = SITE FOR TYROSINE PHOSPHORYLATION

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C-TERM POSITION	CONSTRUCT NAME:
-3-2-10	WT
	C-ARA
— (ITRL) —	ΔPL
— (IARA) —	
— (I) —	

FIG.1

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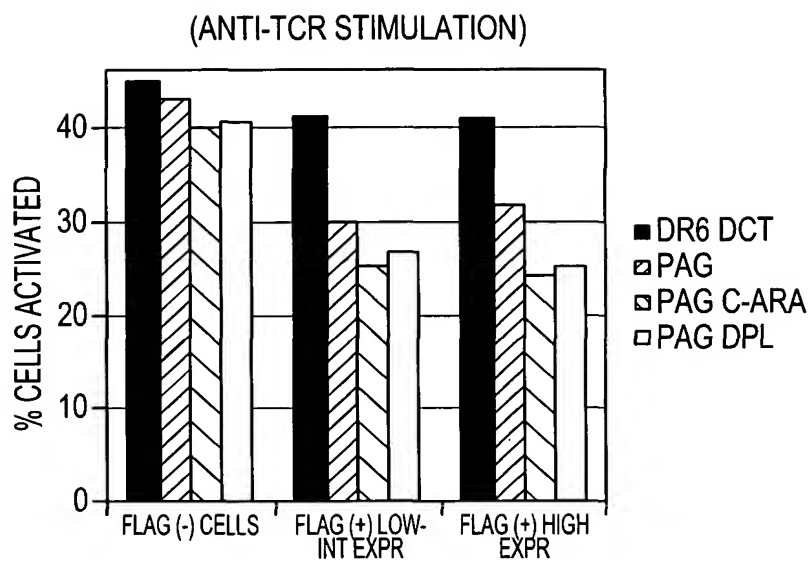


FIG.2A

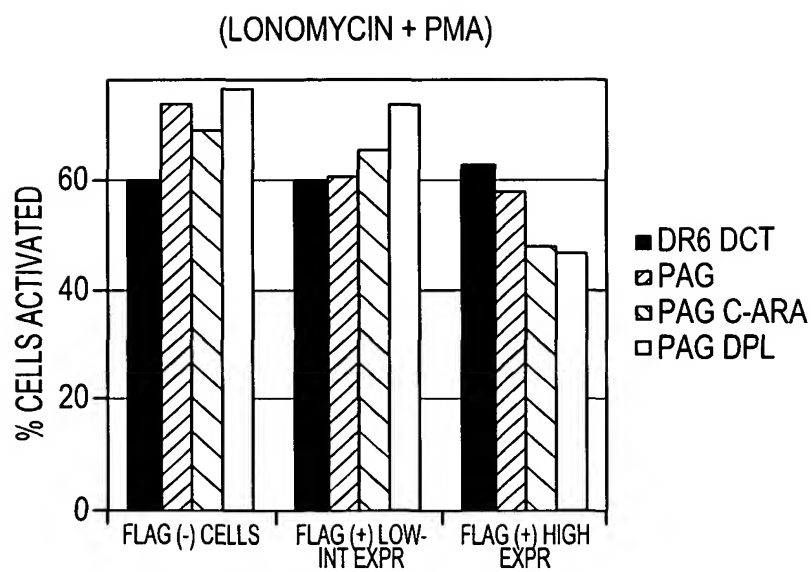


FIG.2B

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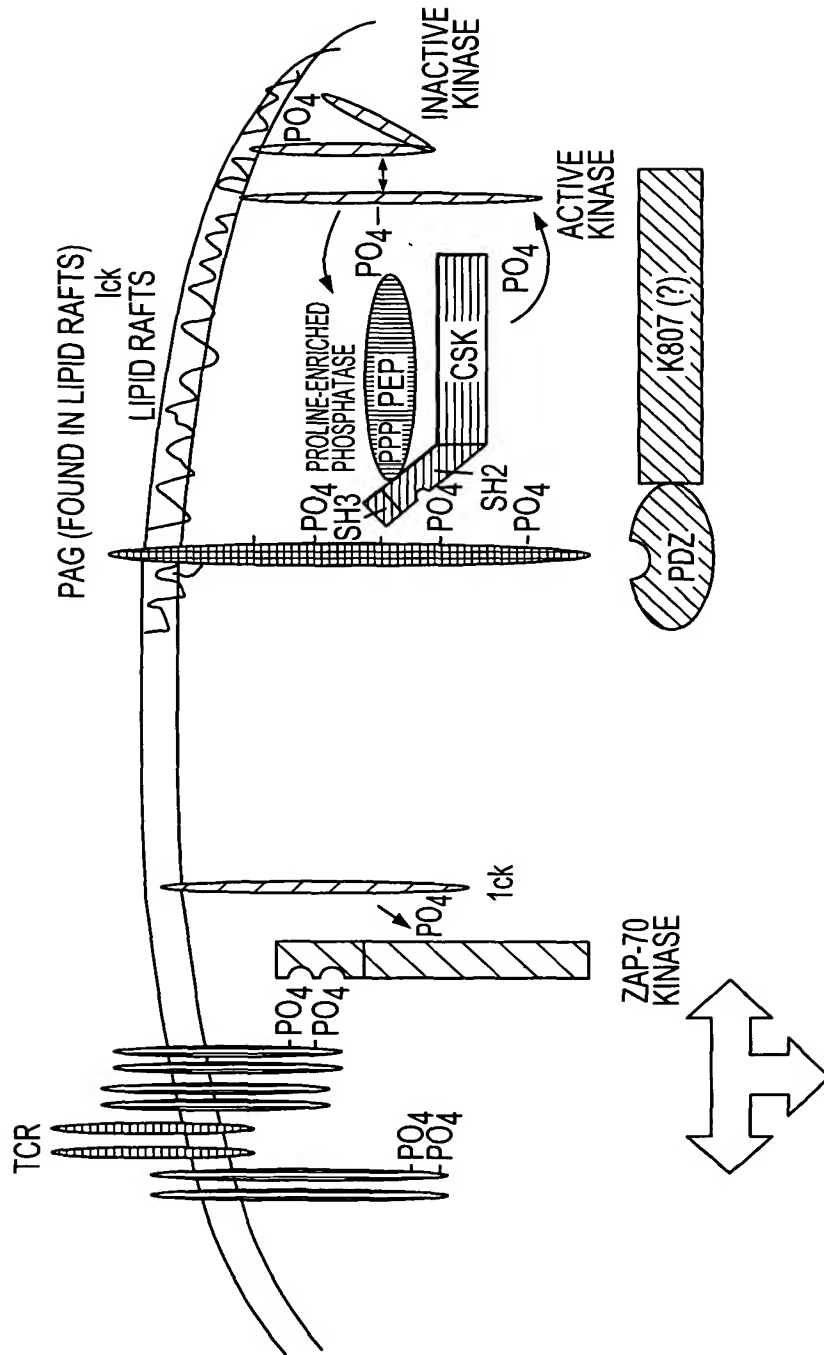


FIG.3

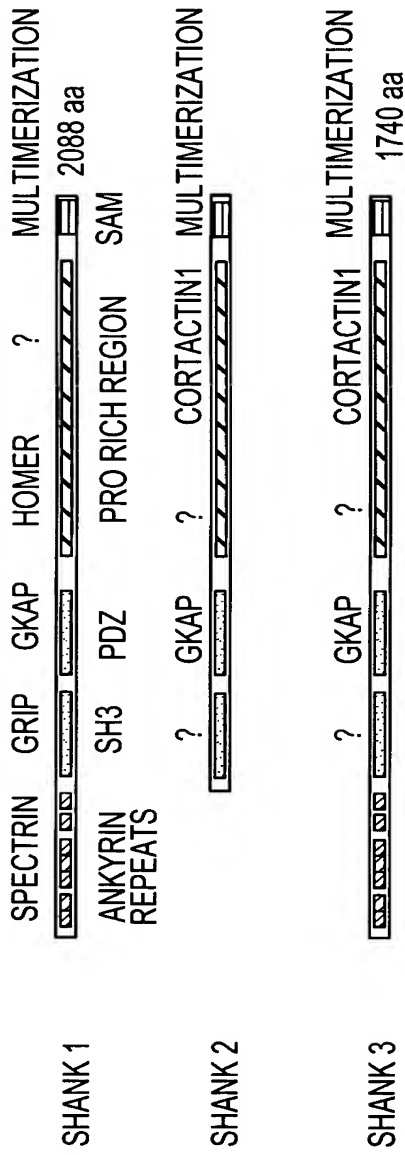


FIG.4A

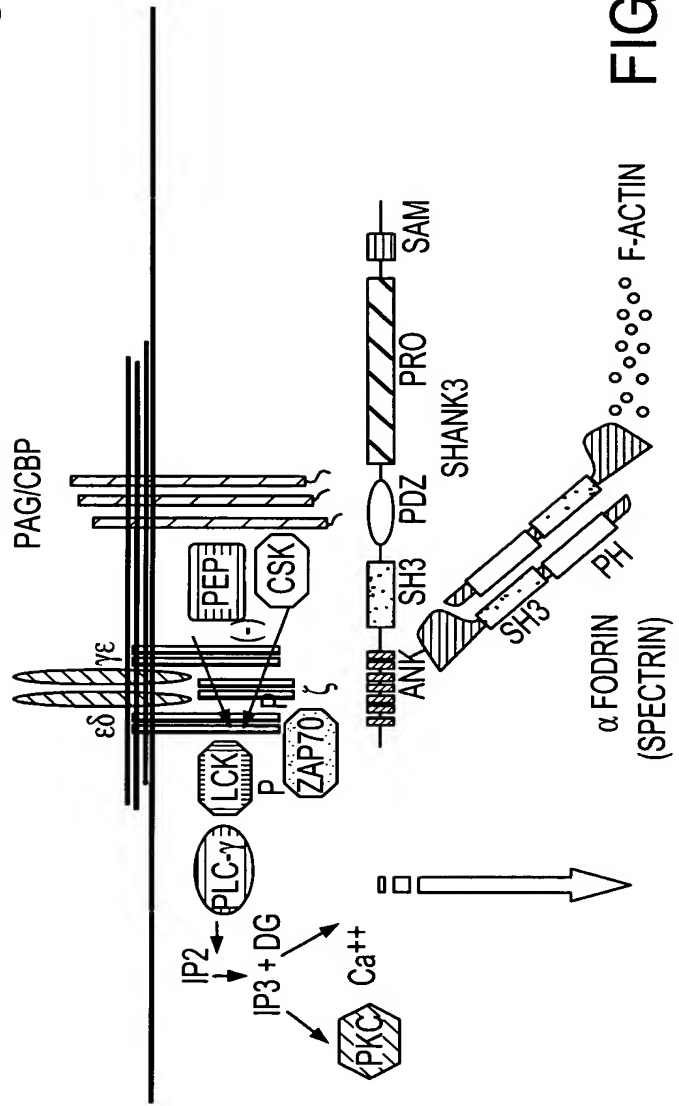


FIG.4B

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### DNAM-1 peptide binding to PDZ domains

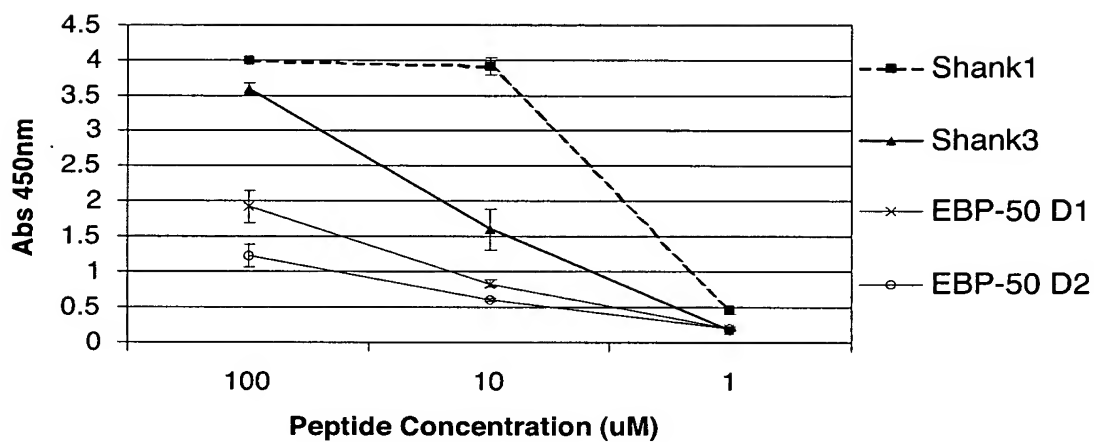


FIG.5A

### Shroom peptide binding to PDZ domains

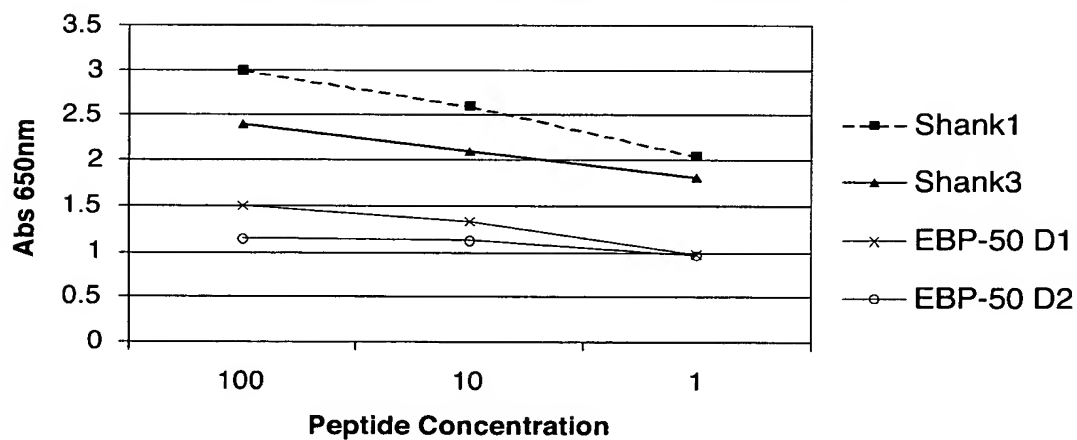


FIG.5B

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### PTEN peptide binding to PDZ domains

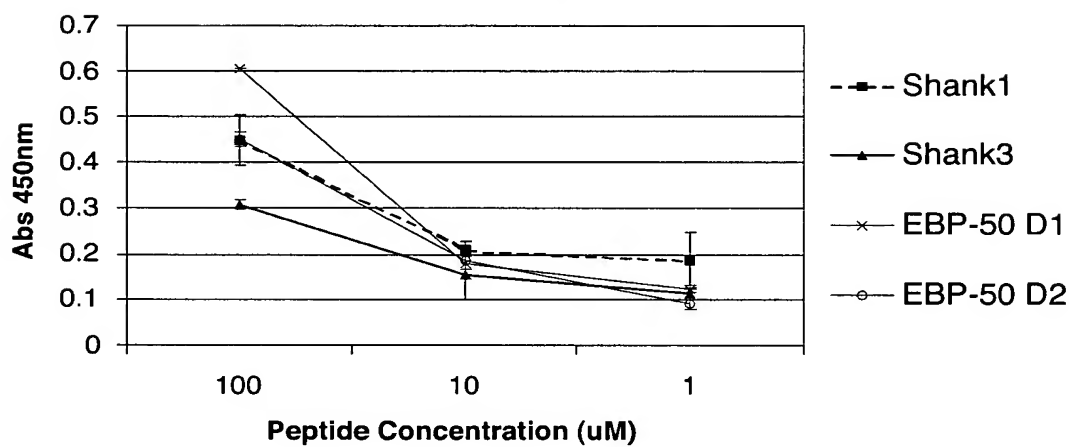


FIG.5C

### BLR-1 peptide binding to PDZ domains

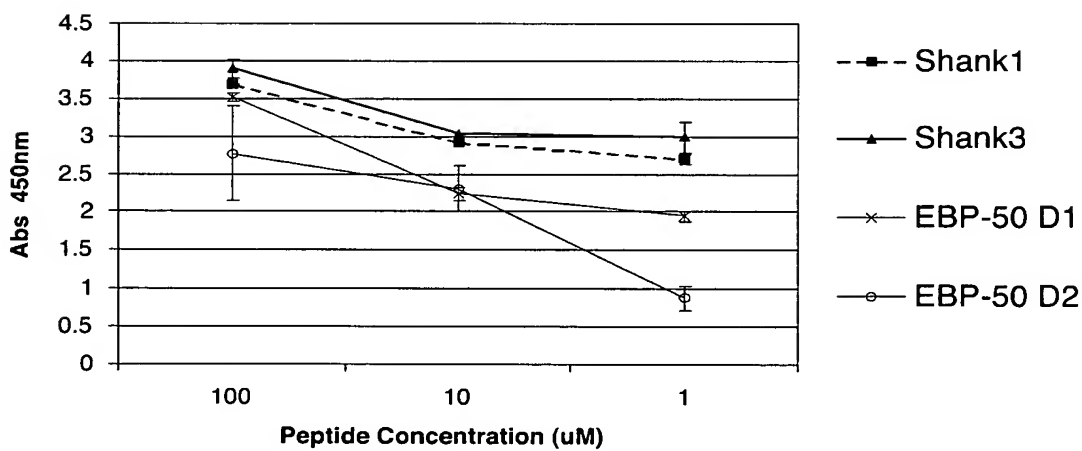


FIG.5D



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### Na<sup>+</sup>/Pi cotransporter 2 peptide binding to PDZ domains

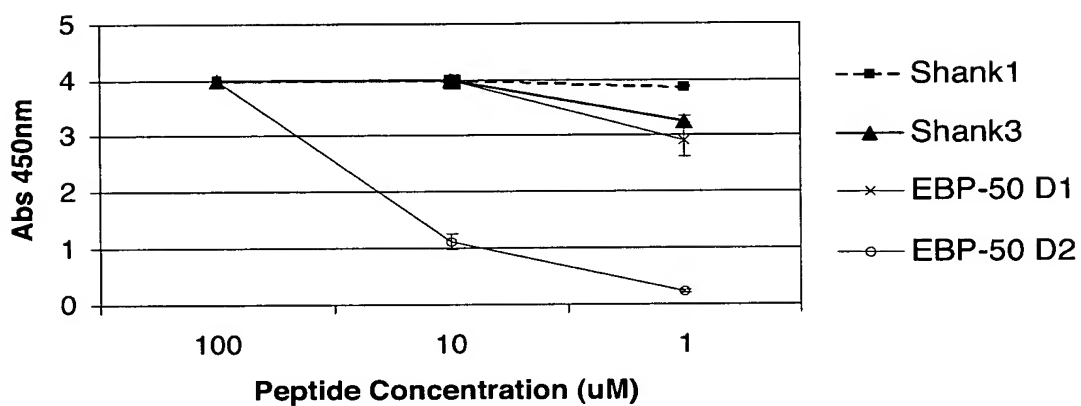


FIG.5E

### PAG peptide binding to PDZ domains

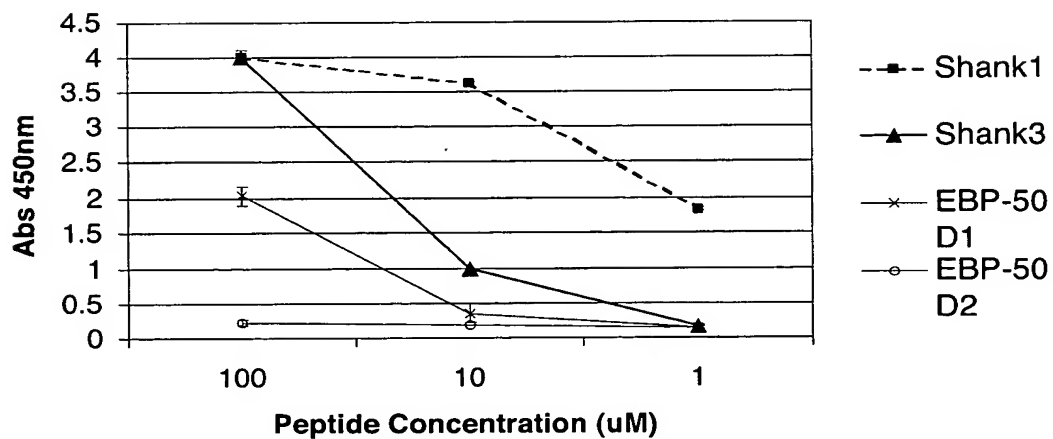


FIG.5F



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### CD34 peptide binding to PDZ domains

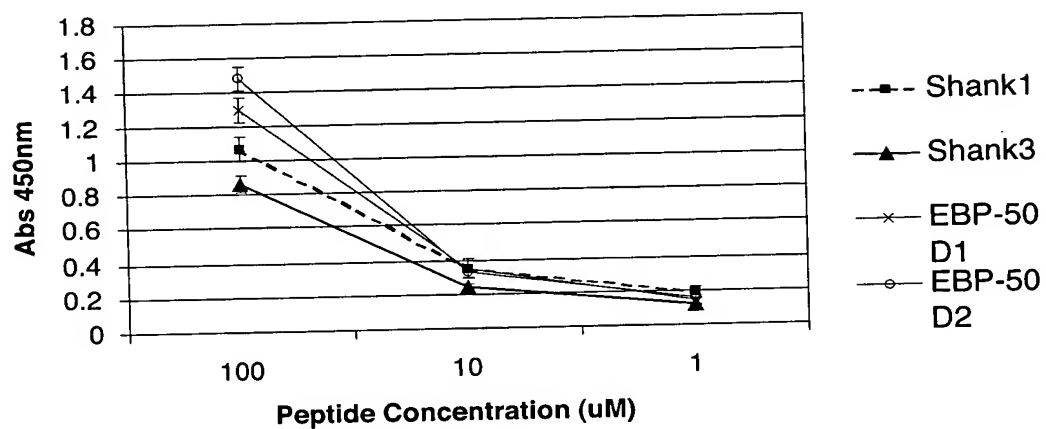


FIG.5G

### LPAP peptide binding to PDZ domains

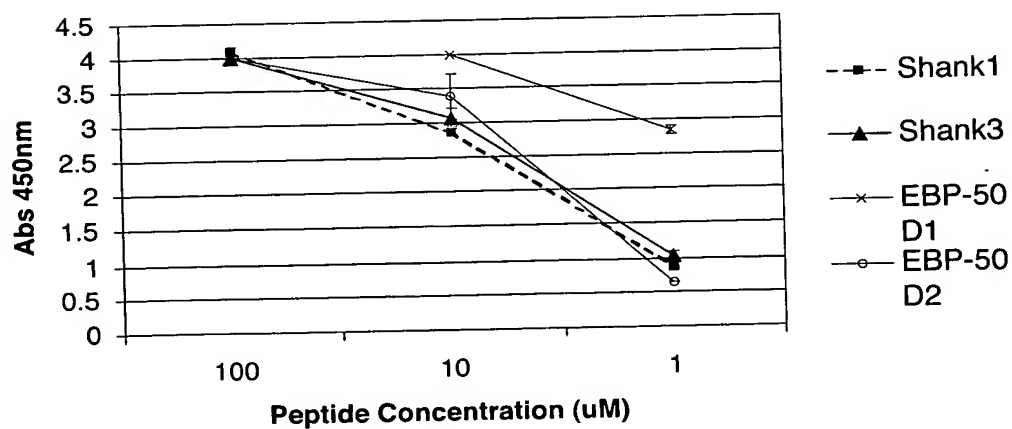


FIG.5H





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### Dock2 peptide binding to PDZ domains

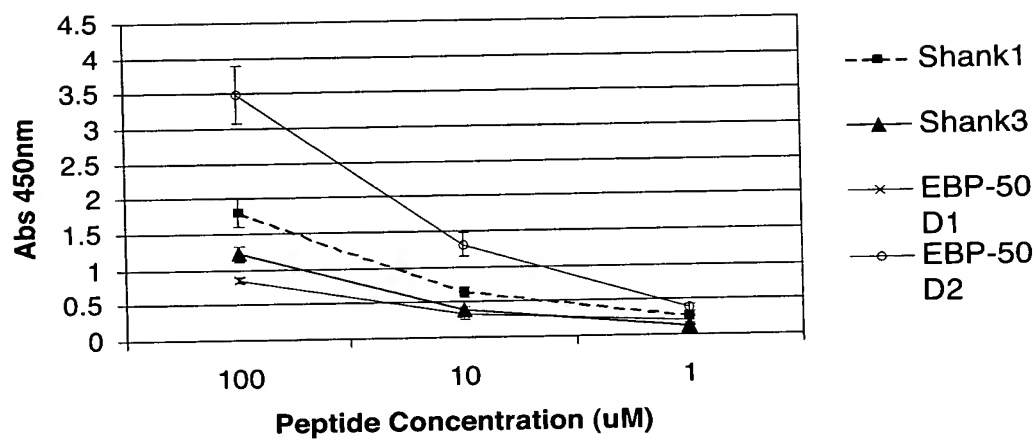
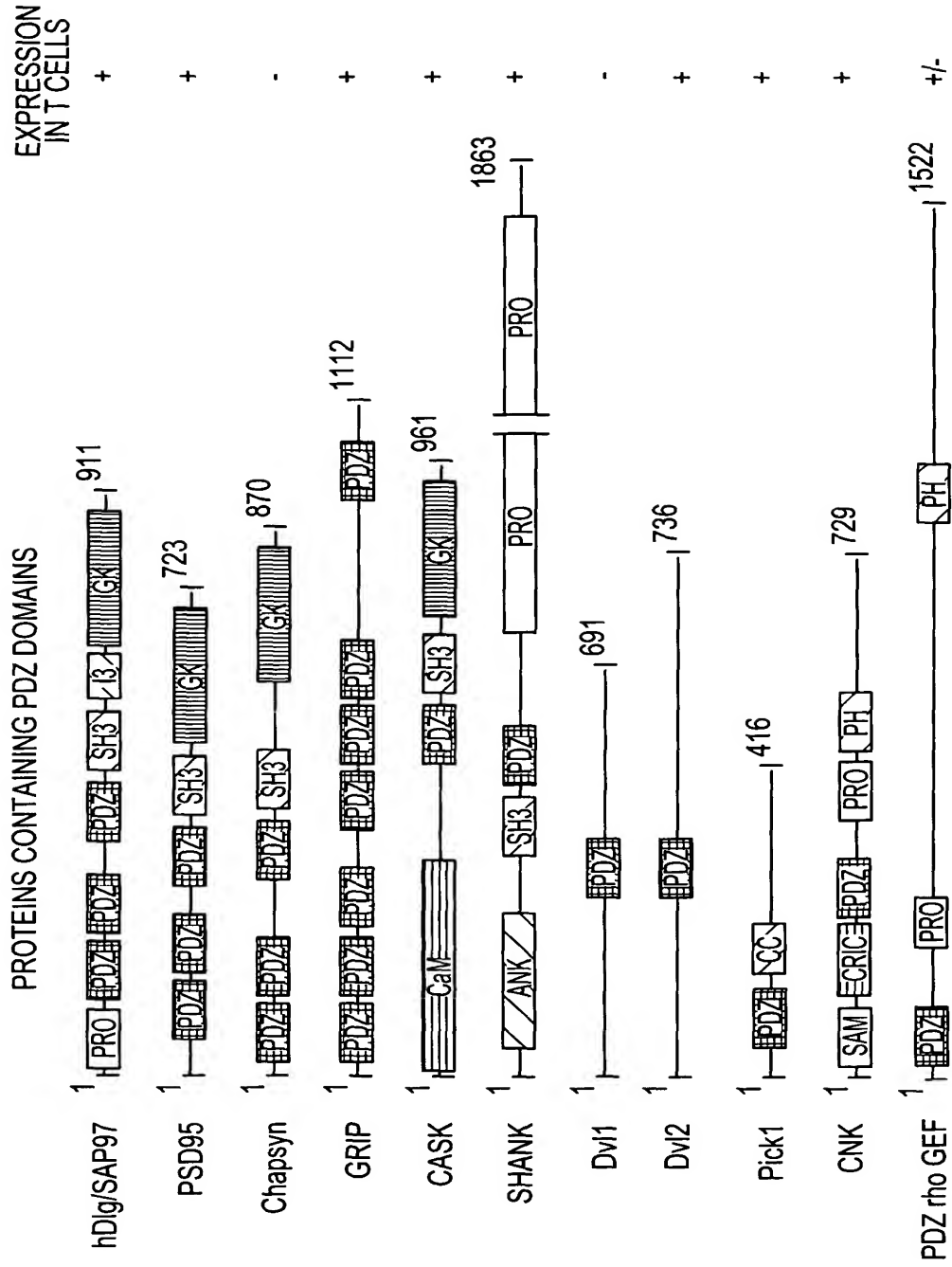


FIG.5I



**FIG. 6A**



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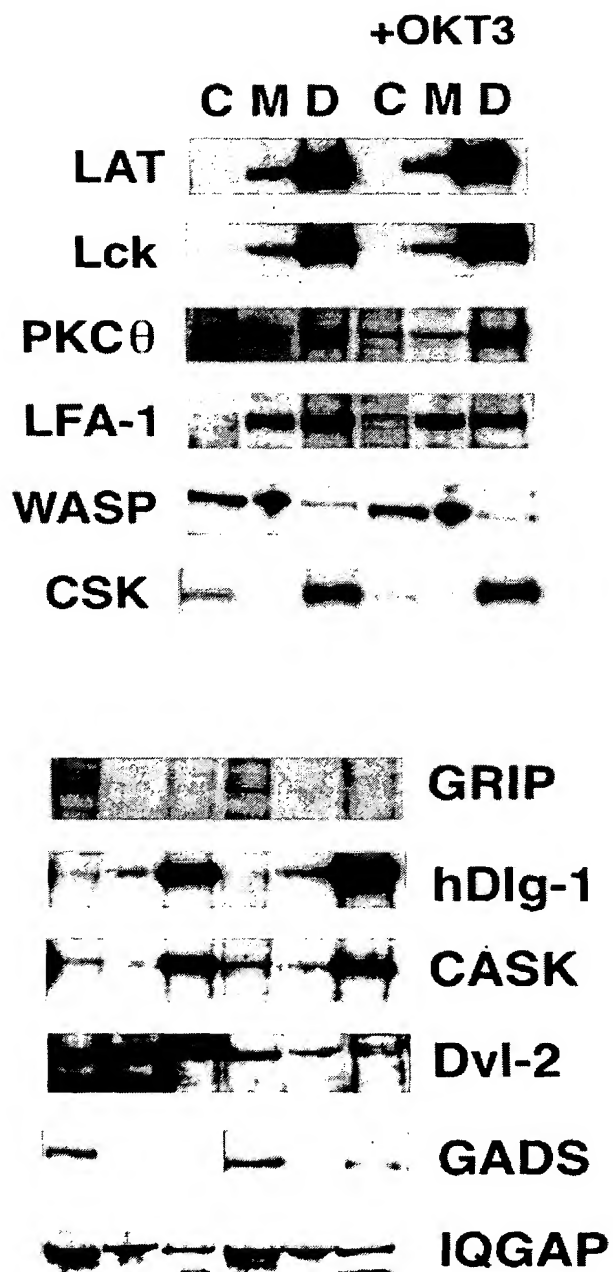


FIG.6B

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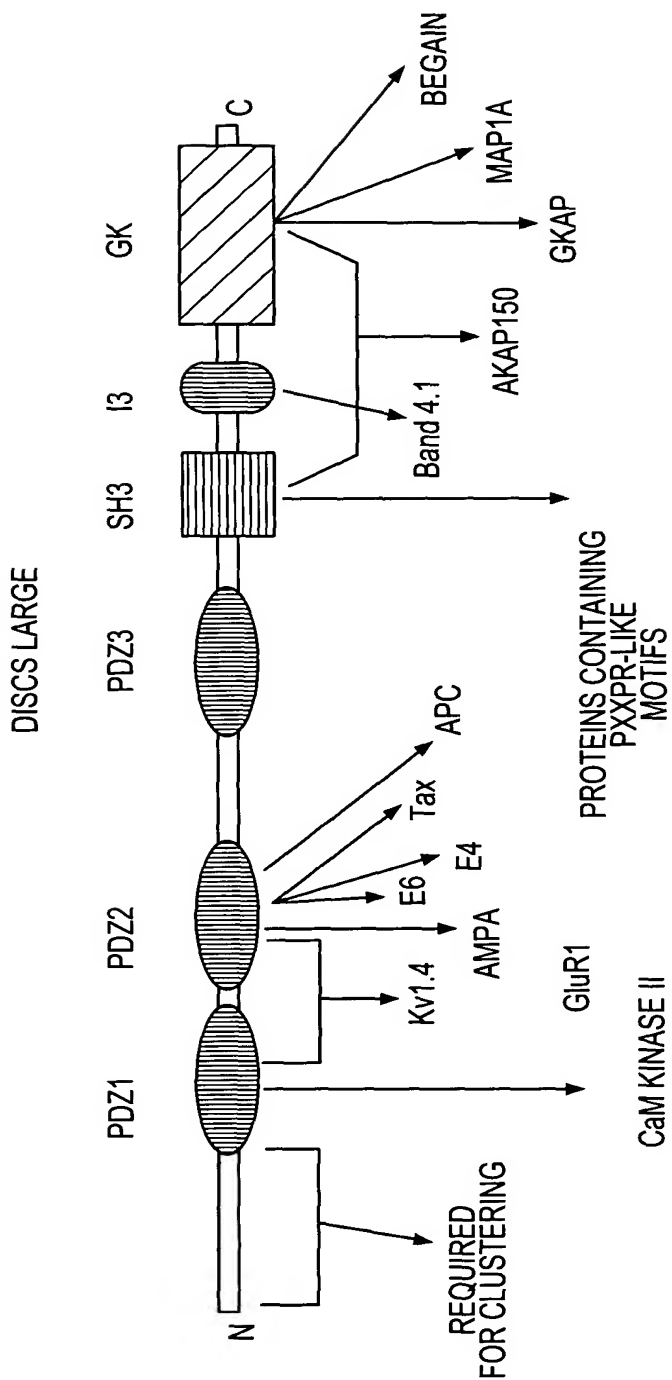


FIG.7A



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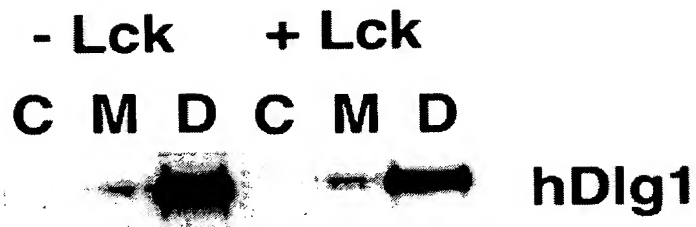
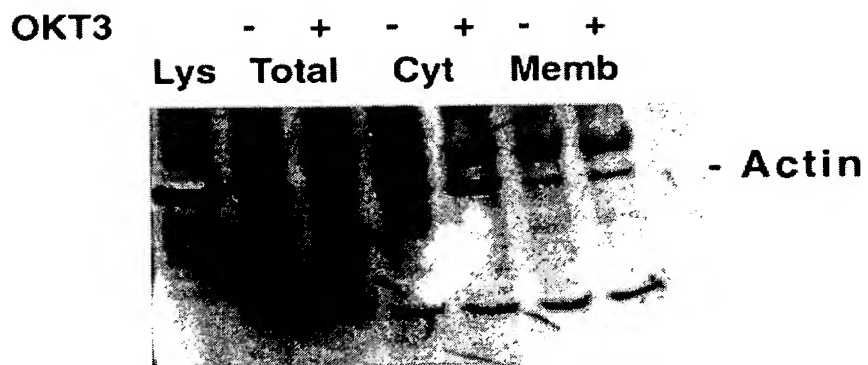


FIG.7B



hDlg-1 ip / Actin blot

FIG.7C

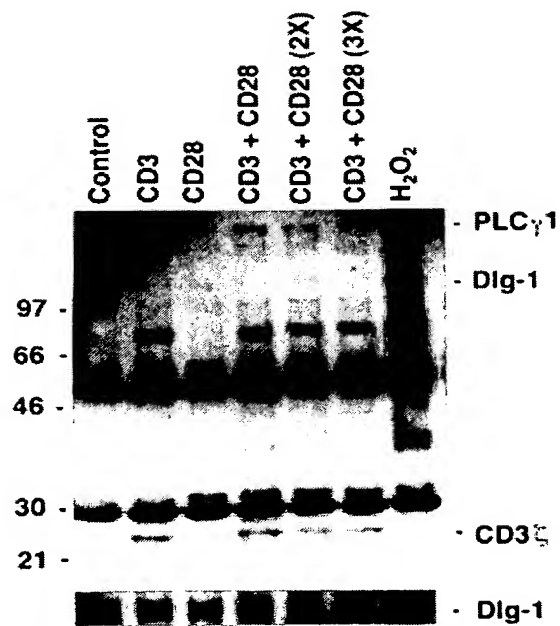


FIG.7D

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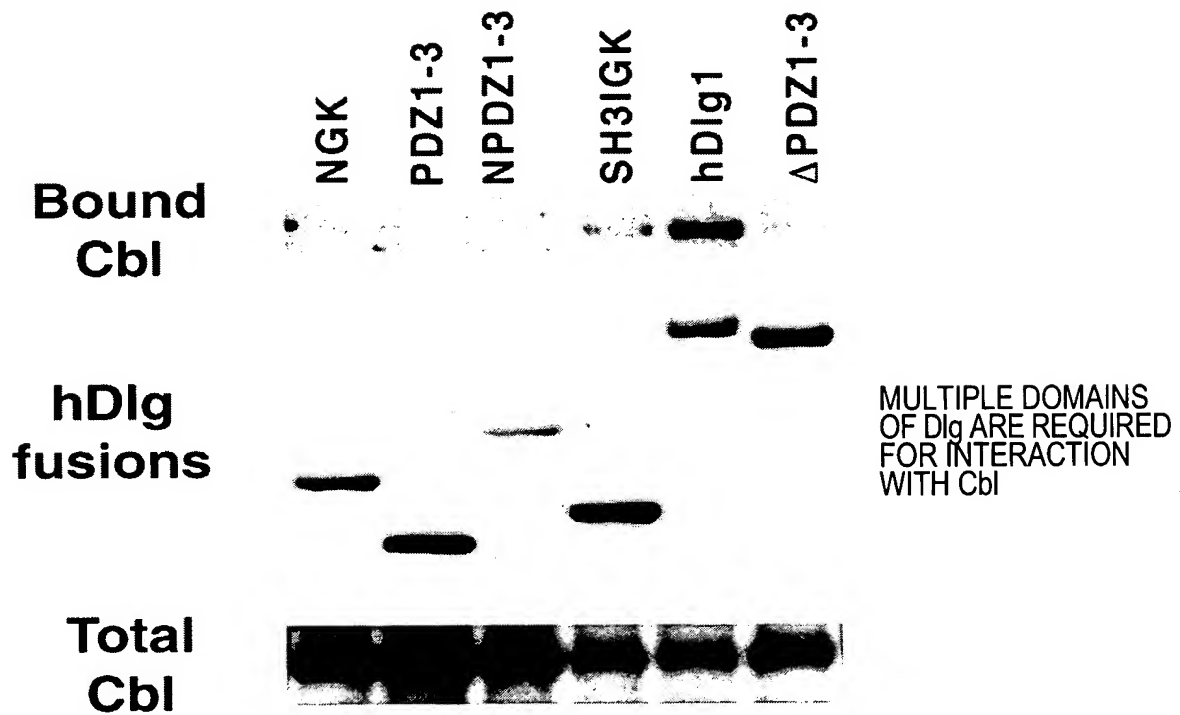
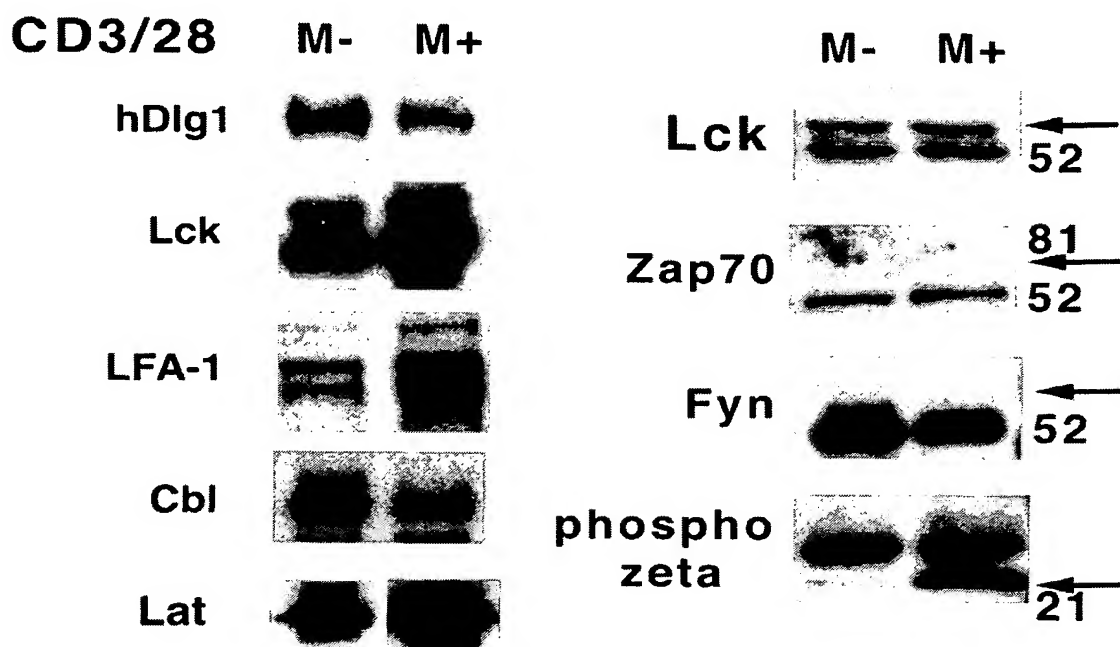


FIG.8

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## Many Important Signaling and Adhesion Molecules Bind Dlg in T cells



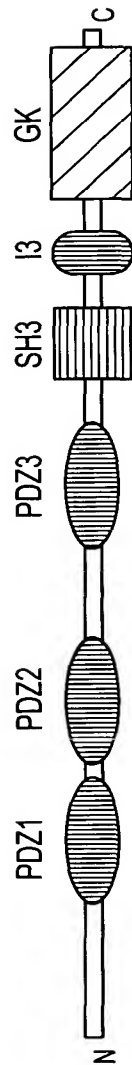
Ip: Dlg; Blot: Abs Indicated

FIG.9



DISCS LARGE INTERACTION PARTNERS

DISCS LARGE



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Dlg		<u>Lck</u>	<u>Fyn</u>	<u>Zap70</u>	<u>CD3ζ</u>	<u>LAT</u>	<u>SLP76</u>	<u>Cb1</u>	<u>Vav</u>	<u>cdc42</u>	
		+	-	-	+	+	-	+	-	-	
Dlg		<u>14-3-3</u>	<u>GADS</u>	<u>Ip12</u>	<u>CaMKII</u>	<u>LFA-1</u>	<u>β3 int</u>	<u>VLA2-α</u>	<u>Cask</u>		
		-	-	-	+	+	-	-	+		

FIG.10





GROSS MAPPING OF INTERACTIONS

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	Lck	CD3 $\zeta$	LAT	Cbl
	+	+	+	+
	-	-	-	-
	+	+	-	-
	-	-	-	-
	+	-	+/-	-
	+	-	-	-
	-	-	-	-
	-	-	-	+

FIG.11



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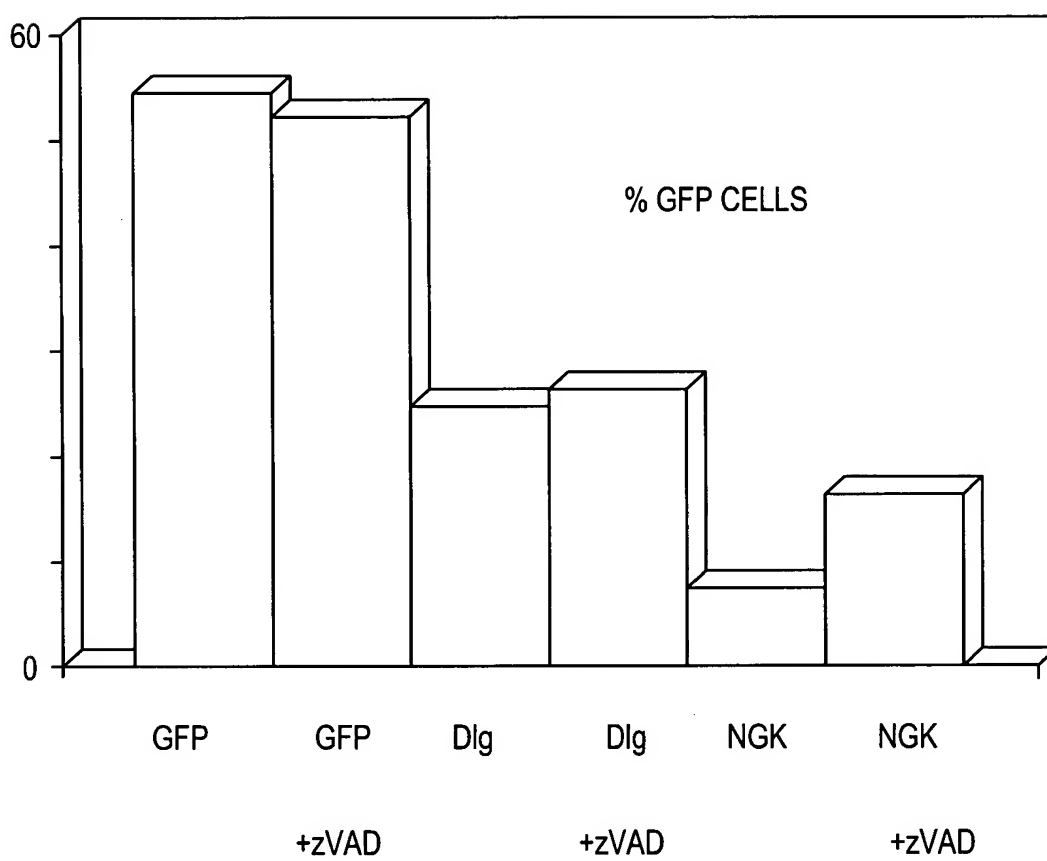


FIG.12A



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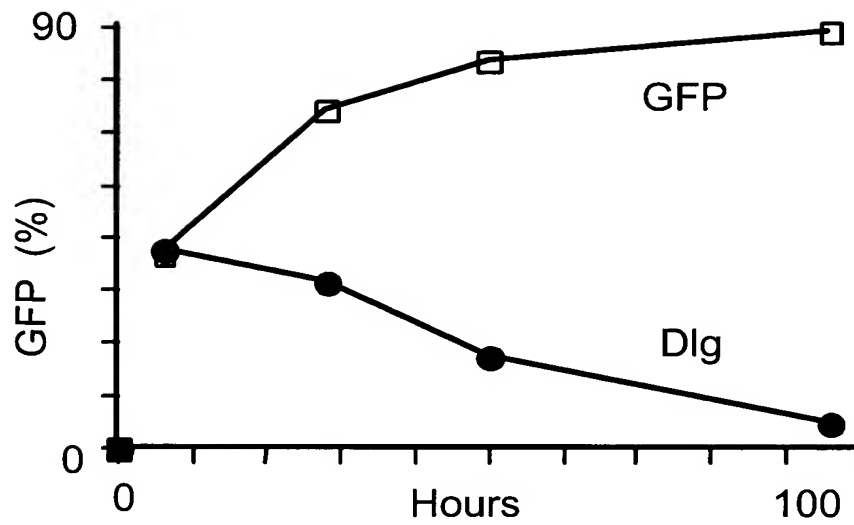


FIG.12B

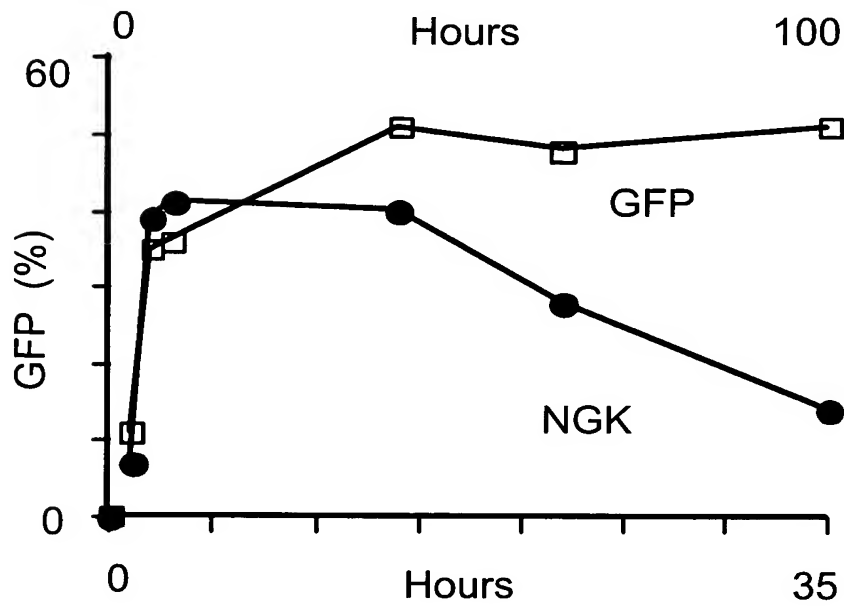


FIG.12C

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# ANATOMY OF THE DEATH RESPONSE

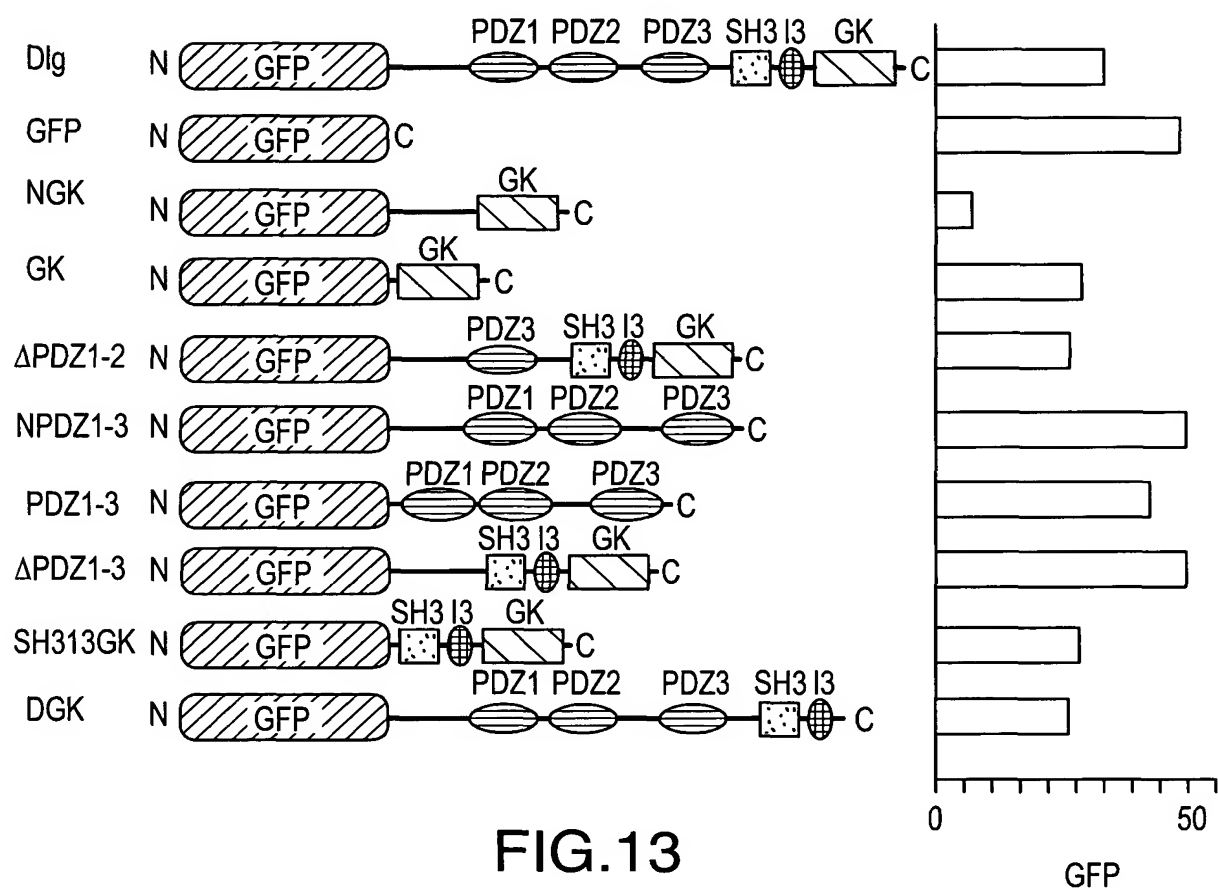
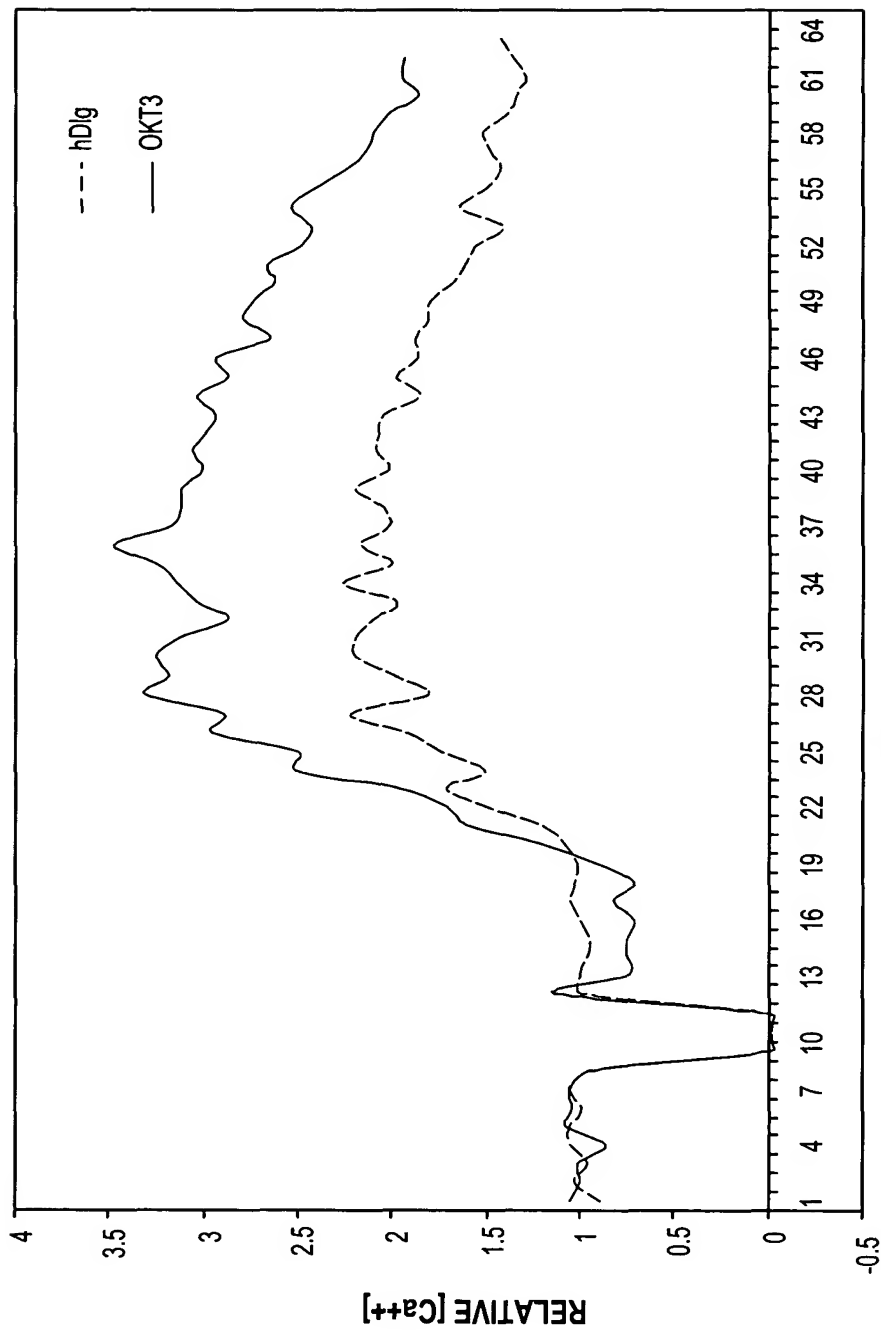


FIG.13



# hDlg ATTENUATES $Ca^{++}$ MOBILIZATION



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TIME IN SECONDS / 8

FIG.14

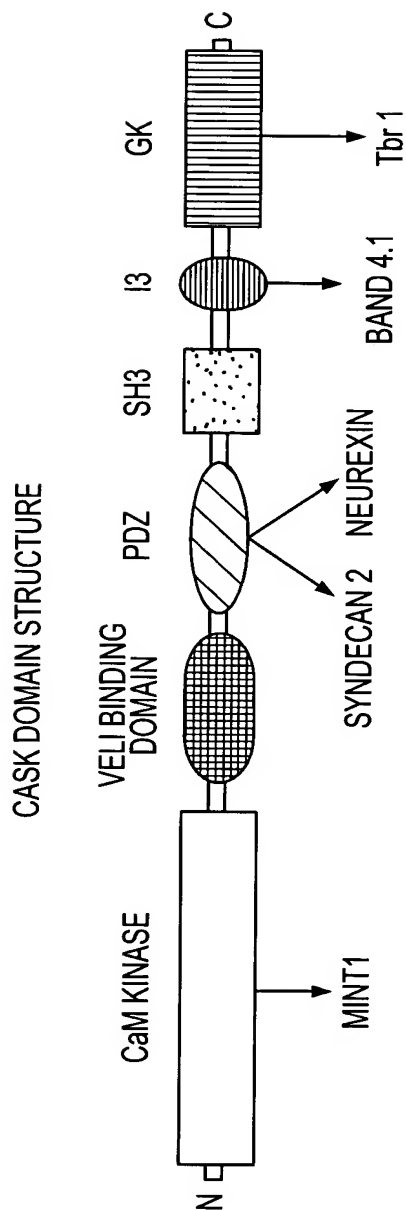


FIG.15A

IN VIVO ASSOCIATION STUDIES  
 BETWEEN Cdc42/Rac and CASK DELETIONS

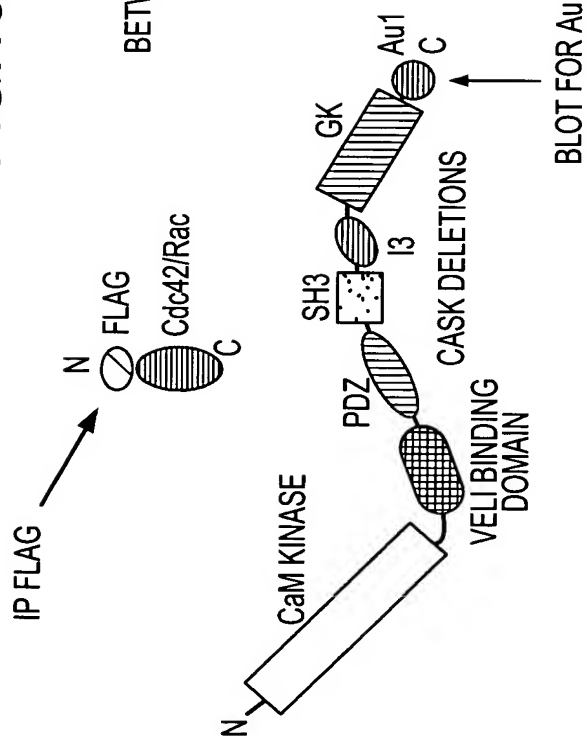


FIG.15B

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## CASK interactions in Jurkat cells

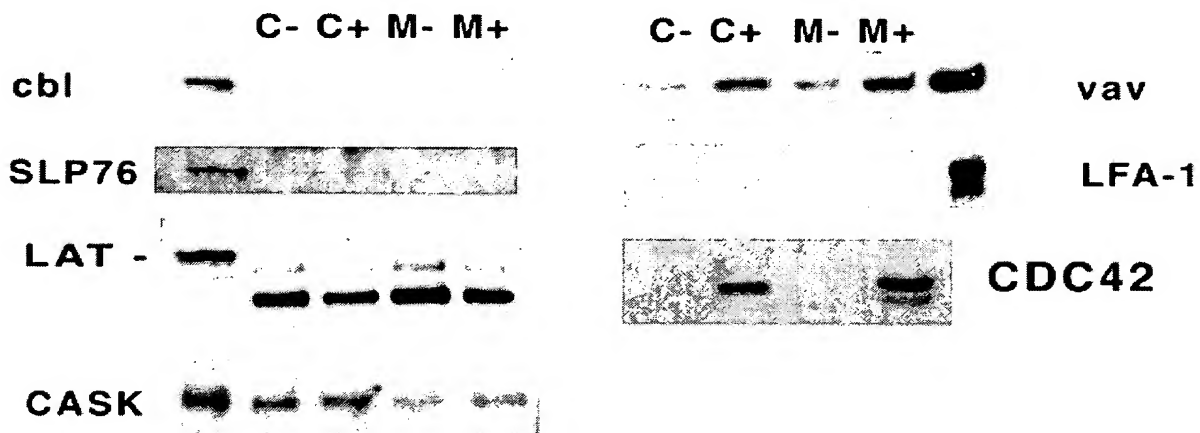


FIG.16A

## CASK interactions in 293T cells

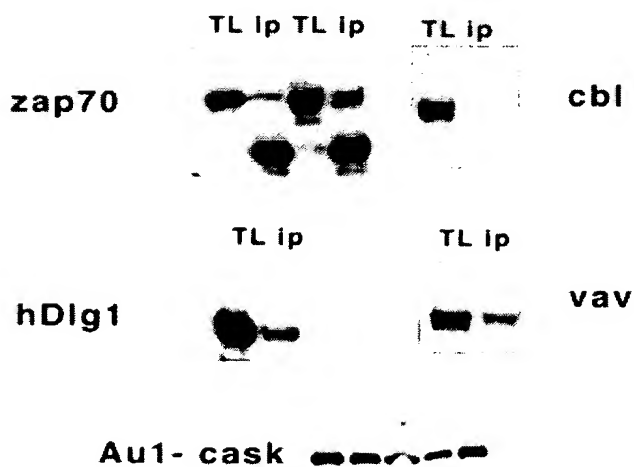


FIG.16B

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## Activation-Dependent Association of Signaling Molecules with CASK

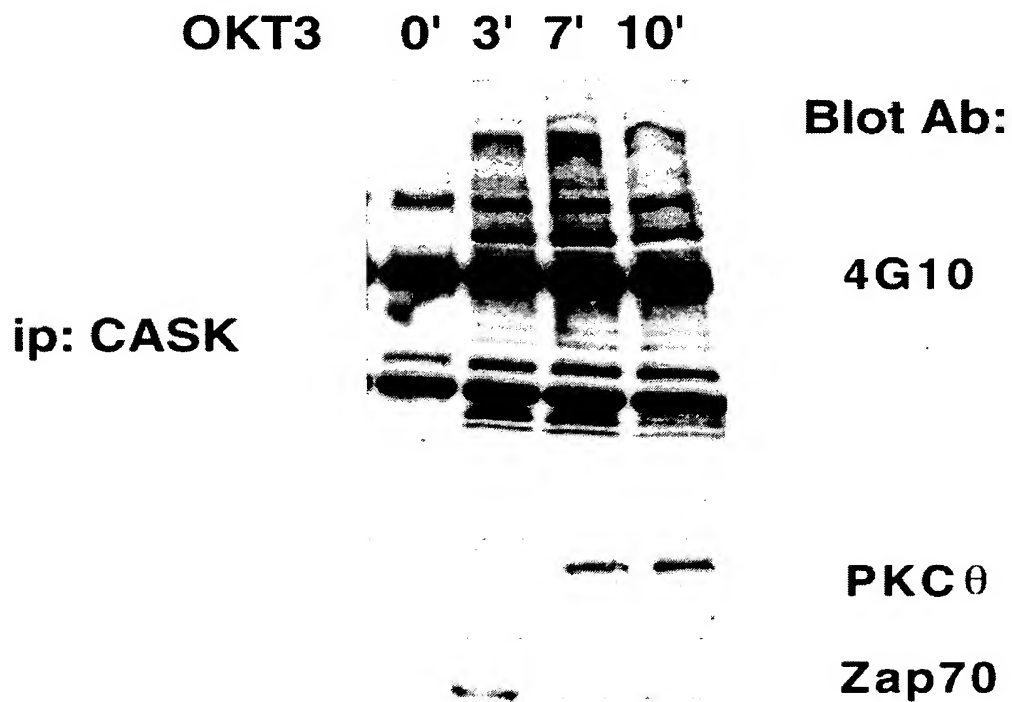


FIG.17





IP: Cdc42/Rac  
BLOT: CASK DELETIONS

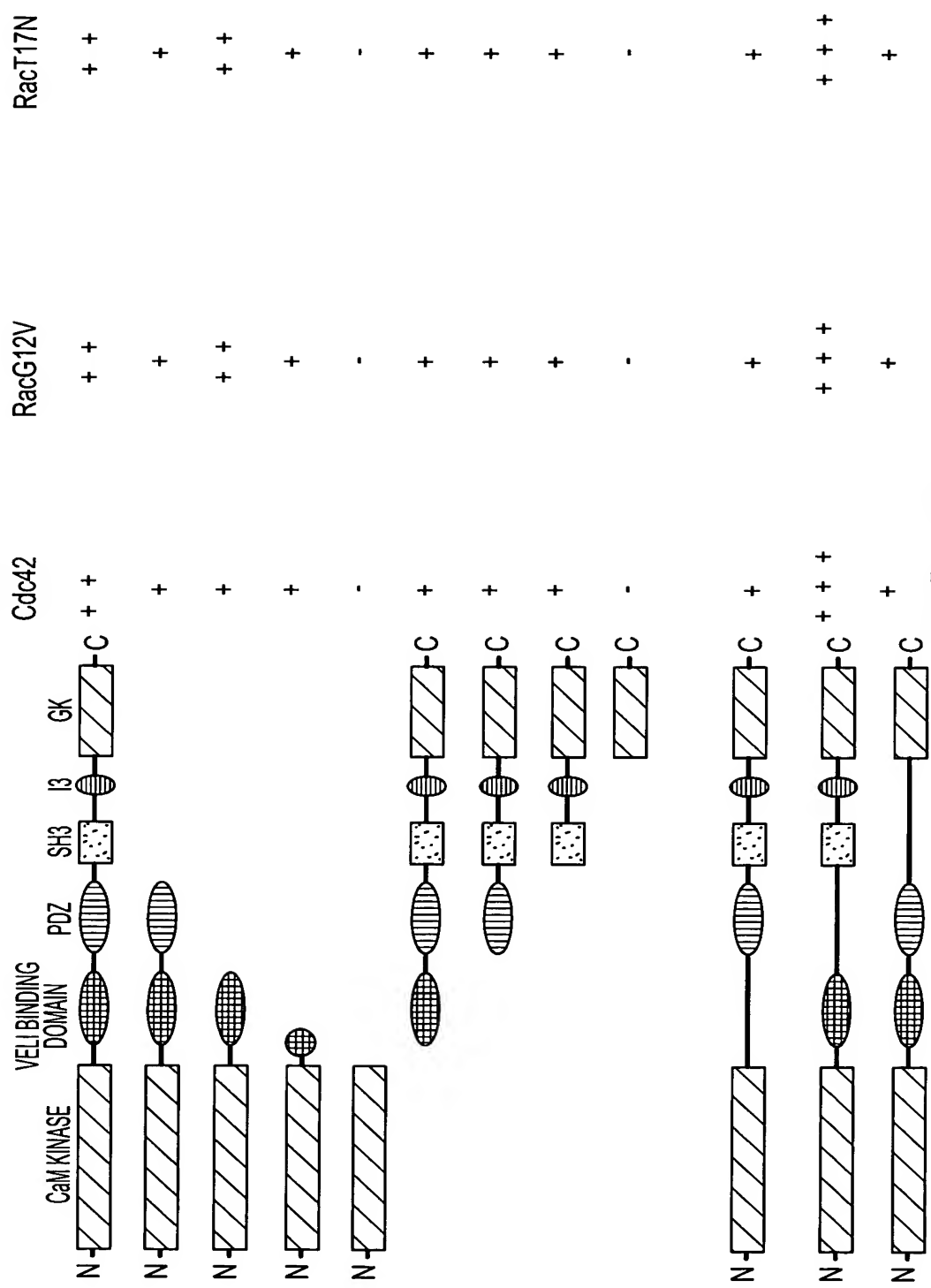


FIG.18

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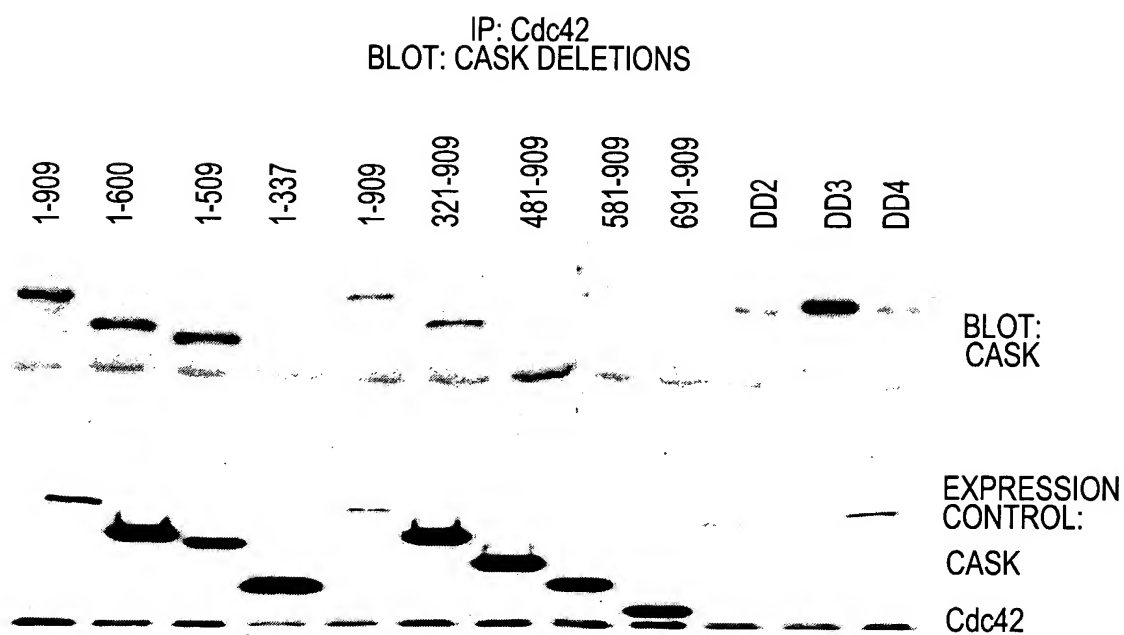


FIG.19

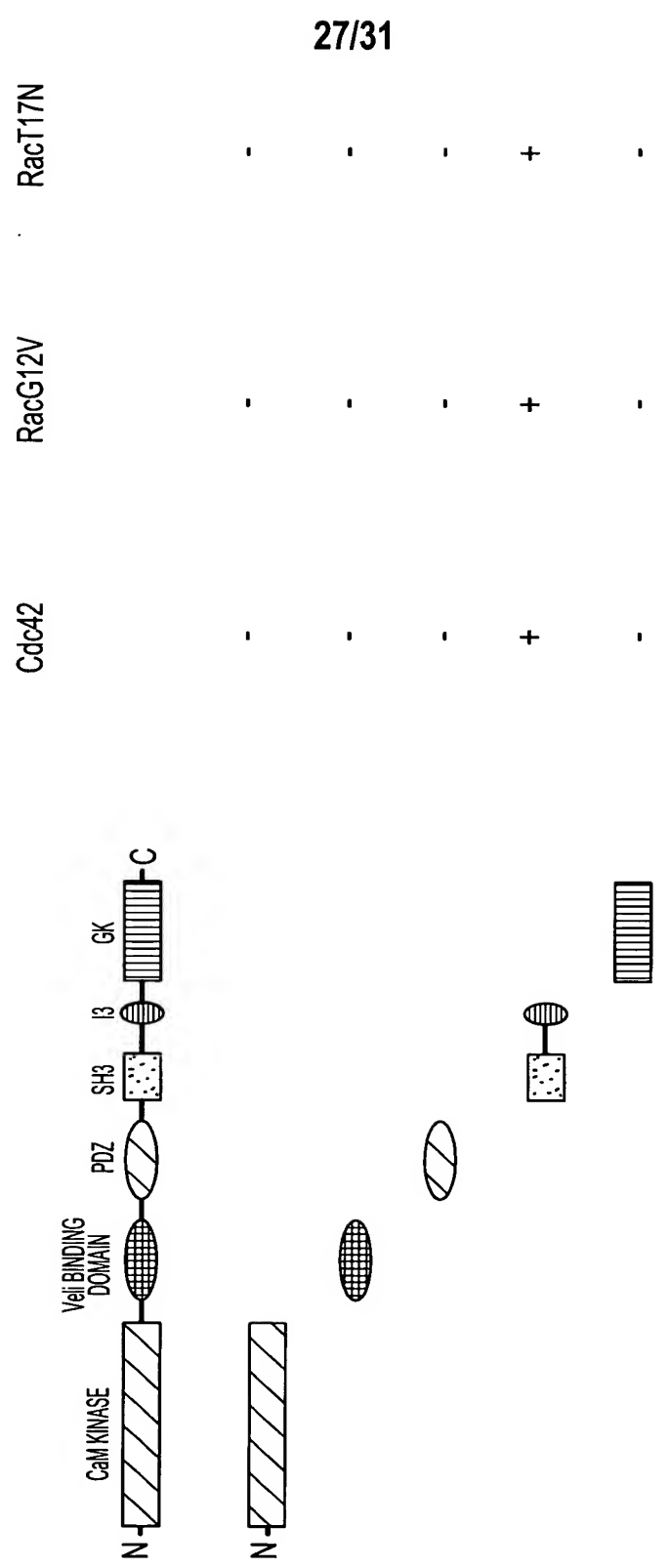
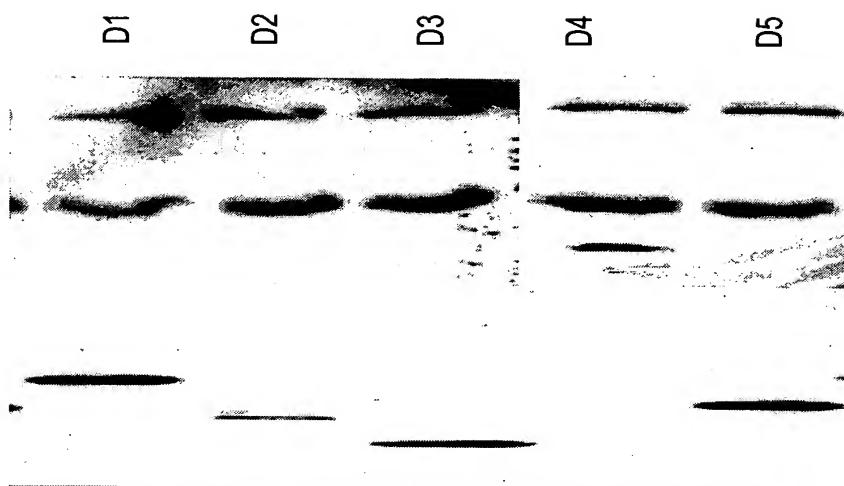


FIG.20A



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IP: RacG12V  
BLOT: CASK DOMAINS

FIG.20B

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OPPOSITE ACTIONS OF CASK AND Dlg ON NFAT

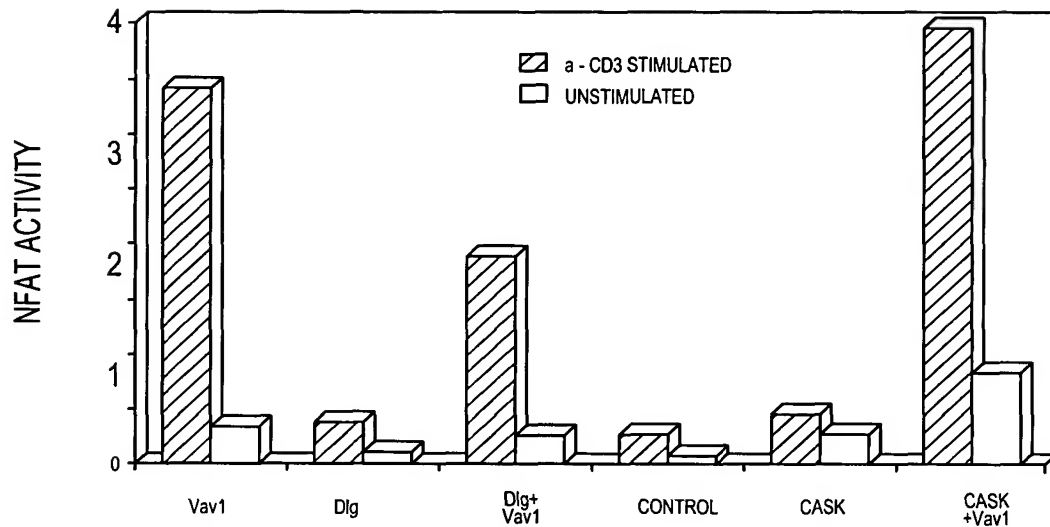


FIG.21A

NF- $\kappa$ B INDUCTION  
 IN JURKAT CELLS

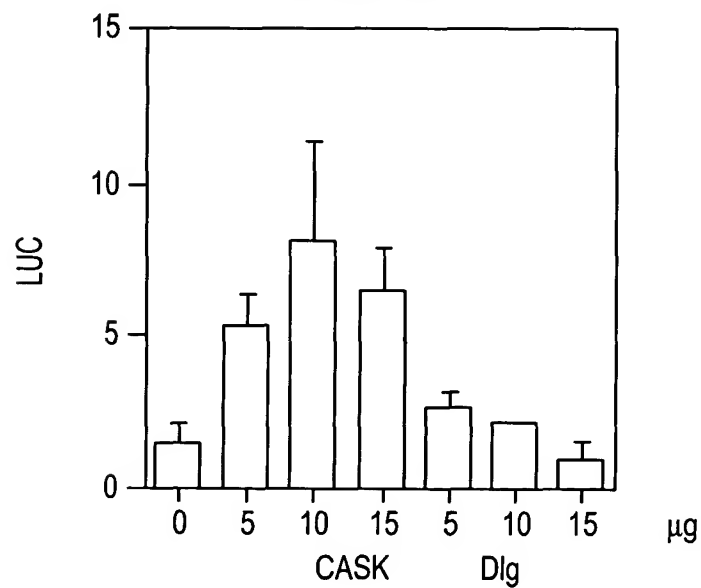


FIG.21B



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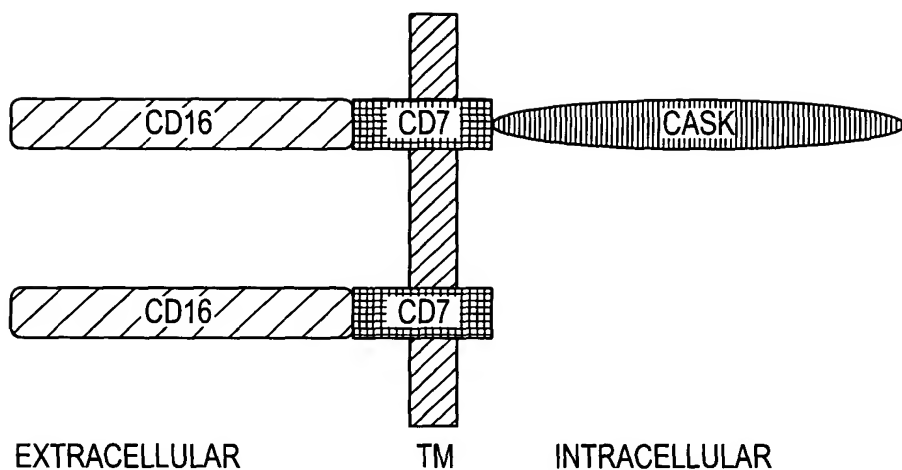


FIG.22A

16:7:CASK  $\text{Ca}^{++}$  Mobilization

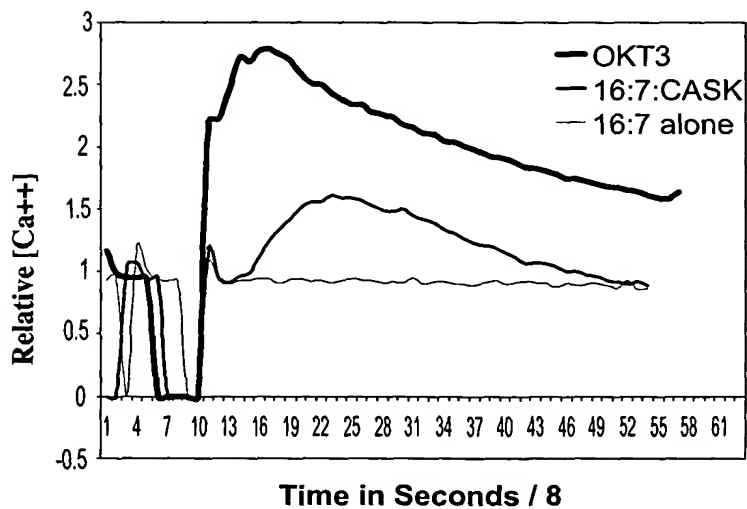
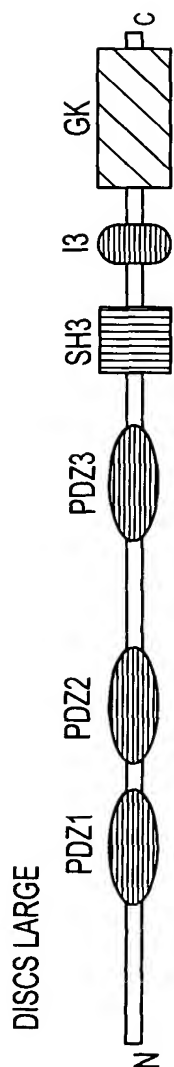


FIG.22B

DISCS LARGE



	<u>Zap70</u>	<u>LAT</u>	<u>SLP76</u>	<u>Vav</u>	<u>cdc42</u>	<u>LFA-1</u>
Dlg	<u>Lck</u>					
	+	+	-	+	-	+
CASK	-	-	-	+	+	-

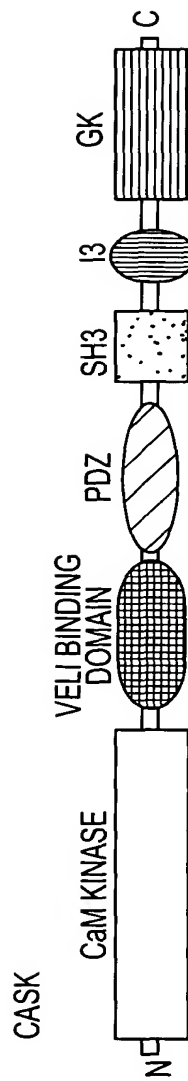


FIG.23